



Saint Louis Audubon Society

Outdoor Film Series
presents

188

NATURAL WONDERS OF CEYLON

8:00 p.m. at the Webster Groves Christian Church

Jerzy Grabowski has filmed the natural wonders of Ceylon in a colorful array: mongooses, buffalo, bear, monkeys; crocodiles, cobras, lizards, butterflies, fruit bats, cocoa, passion fruit, jacanas, spoonbills, flamingos, lapwings, darters, bee eaters, serpent eagles. Climax: Elephant procession in Colombo, Sri Lanka's capital.

There is no question about it. Sri Lanka is one of the most delightful hideaways the whole earth affords. The green jungle is so rich you hear things growing. Monkeys chatter in the tops of tall trees and the great hornbill soars from one branch to another, seemingly without moving its wings. Spotted deer peer warily out from protective brush and a painted stork stands in a small pond, absurdly creaky on his stick like legs. Hills become sculptures, terraced with tea bushes as far as the eye reaches. A waterfall crashes over rocks, disappearing into the ferny chasm. From green heights, you gaze into amethyst distance and know why tradition says Ceylon was the Garden of Eden.

Born in Poland, Jerzy Grabowski, in his teens when Germany and Russia occupied his country, was sent to a Siberian prison camp. After two years of hardship, including once being lost in a whiteout and miraculously saved from a wolf pack by Siberian peasants, he was released when Russia joined the Allies. After a dramatic journey, from Siberia through Afghanistan and Iran and finally to England, he joined the Polish R.A.F. Squadron and served five years as a pilot. Now an American citizen, Mr. Grabowski is a mechanical engineer, naturalist and film-lecturer. He helped to establish a tropical rain forest center in the Philippines; has lectured on wildlife and primitive tribes at New York University; is a recognized lepidopterist; and a Fellow of the famed Explorers Club.

THE ST. LOUIS AUDUBON SOCIETY PRESENTS
THE SPRING BANQUET

APR. 25 1988



(Pilon Studio)

TREK TO THE TOP OF THE WORLD
with Brian O'Malley

Join Brian on an Adventure Trek of the Himalayan Khumbu Region, including the back country of the Himalayan Mountains and Mount Everest.

Brian O'Malley was a member of the 1985 American Mount Everest West Ridge Expedition. A well known lecturer, Brian has shown his slide presentation of the Expedition throughout the United States. His presentations have included the 1985 Keynote Speaker for the Project Management International Symposium, represented by major corporations such as IBM, Kodak, General Motors and Exxon; McNeill Science Lecture Series, Pennsylvania; Arco Chemical, Philadelphia; California Academy of Sciences, San Francisco; Atlanta Historical Society; Southern New England Chapter of Project Management Institute; Rocky Mountain Project Management Institute; Littleton Museum; and the Career Trek Success Camp.

RESERVATION

ST. LOUIS AUDUBON SPRING BANQUET
VIKING LODGE AND RESTAURANT
Watson Rd & Lindbergh

COCKTAIL 6:30-7:30 P.M.
DINNER 7:30 P.M.
PRESENTATION TO FOLLOW DINNER

APR. 25 1988

PRICE PER TICKET: \$16.00

PLEASE RESERVE _____ PLACES FOR: _____

PLEASE SEAT US WITH THE PARTY OF _____

NAME: _____

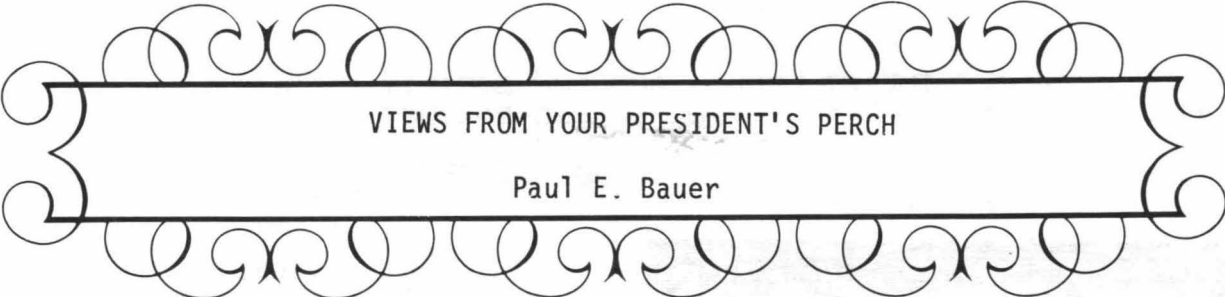
ADDRESS: _____

PHONE: _____

make checks payable to the St. Louis Audubon Society and
mail to:

MARY LOU MILLER
TREASURER
3927 LUCAS & HUNT RD.
ST. LOUIS, MO 63121

DEADLINE FOR RESERVATIONS: APRIL 18, 1988



VIEWS FROM YOUR PRESIDENT'S PERCH

Paul E. Bauer

After one year at the helm, it seems fair to ask a simple question: What has been happening at St. Louis Audubon, and where are we going? Before any achievements are checked off, I want to thank each of you that have helped so cheerfully with the work this year. We now have 14 active committees performing most of the efforts needed to run our society. To each of you that are helping, let me say THANK YOU from each of our 2700 members.

Much to my surprise we are one of the largest Audubon chapters in the nation. This honor for the chapter should redouble our efforts to grow, but also to become the very best. Your leaders all desire to improve the quality, quantity and variety of services that are provided for you, our members, and we also want to learn what additional activities you would enjoy.

Better communication is essential to any efforts for improvement. With our St. Louis Audubon Bulletin now reaching members every two-months, we can keep everyone informed of the numerous upcoming activities, and on other topics of overall interest. Since early February our new message recorder can also provide each member with an easy way to share thoughts and suggestions with chapter leaders. Already we are getting up to eight calls a day.

To learn details about upcoming events, to ask questions or share an idea just CALL US AT 938-6123. Also we have two listings in the latest St. Louis area phone book (business white pages): Audubon Society of St. Louis, and St. Louis Audubon Society. These listings should make it easier for non-members and visitors to contact us. You might say we are trying to reach out and help everyone with an interest in Audubon.

Our chapter offers two unusual benefits free to all members and their friends. Annually we offer five wildlife adventure film programs, and 10 or more specialized open house nature programs. The "open house" programs are at our own Audubon Education Center and lovely nature sanctuary. Only a small percentage of chapters can support adventure film programs without fees. I find that these film presentations are better than TV programs because of the live-enthusiasm of the author-photographer. Attendance at the films this year has nearly filled the hall, which strongly reflects the high quality of these presentations. Members also have responded positively to the short discussions and announcements on conservation issues provided prior to the film presentations.

Use of the Education Center has continued to increase as more members discover the location and beauty of the surroundings. Programs have covered a wide variety of nature subjects such as shell art, feeding birds and landscaping for nature. Numerous field trips there have touched subjects involving butterflies, wildflowers, mosses and ferns, and astronomy; also nature photography classes.

Birding trips included several well attended searches for gulls, eagles, and waterfowl as well as the monthly tours of Busch Wildlife Area that started last fall. These tours are general discussions on whatever nature subjects are seen, and would be useful for Scouts working on nature related Merit Badges.

The traditional Forest Park birding walks will continue this year on the last two Sundays of April and on the first two Sundays in May starting at 8 AM near the parking lot behind the Art Museum. We have about eight pairs of binoculars that can be loaned for use on these trips -- so bring beginners even if they don't own binoculars! I can personally confirm the tradition of these park birding walks extending back to the mid-1940's where I received my first exposure to the thrills of birding with the patient help of Audubon leaders. Forest Park continues to serve as a local oasis for spring migrants with its unusual three-layer mature forest and dense underbrush. In May I have often envisioned this wonderful woods as a lush lowland tropical rainforest - right here in St. Louis!

At this point I want to ask what other types of field trips and programs would you like? Is there interest in more outdoor nature photography programs, in hikes, backpacking, canoe trips or weekend tours to more distant wildlife areas such as Mingo or Sguaw Creek National Wildlife Areas? What are your specific interests? Are you willing to help us promote or to help lead such activities? CALL US AT 938-6123.

Also our activities have included spreading our news to others. We had very effective booths at the Raptor Rehabilitation Center open house last fall, and at the Missouri Dept. of Conservation sponsored Eagle Days during January in Clarksville, Mo. The thousands of people that attend these events are already interested in wildlife protection and seem supportive of the Audubon cause. These recruiting efforts are very rewarding -- sharing our interests in wildlife with others. We are planning to participate in an art fair this fall.

So that's what we have been doing -- now where are we going? We have a detailed annual program of events in place, which is being fine-tuned and improved. But where do we want to go in the future? What are our specific goals say five years from now? Our vice president is heading an active Strategic Planning Committee that has been meeting and is trying to chart our future course. This is where we could benefit from your ideas. How can we better serve all members? Can we make better use of the Education Center and Nature library? Should we try to train and work with youth leaders to promote young children's interest in nature? Can we attract more young adults to carry on our interests in nature and conservation? These are all tough questions, and finding the right answers is important. CALL US AT 938-6123 to share your ideas, to find out how you can get involved, and make new friends that share your same interests. I also hope to meet many of you at the Annual Dinner on Monday, April 25th.

GET TO KNOW THE EDUCATION CENTER

Spring is just around the corner. The education center is an easy drive from all parts of the county. To get there drive west on highway 44 to the Lewis Road exit. This is just east of Eureka. Take a right on Lewis Road and travel 1 mile. There is a well marked sign for Audubon on the left at the entrance.

CALL THE AUDUBON NUMBER FOR THE LATEST EVENTS.

Though we had a phone number put in the book last year we were not yet ON LINE.. But we are now and you can call and hear what's going on in and around the area or leave a message and someone will get back with you.

ST. LOUIS AUDUBON
HELPS WITH EAGLE DAYS

Dave Tylka

Volunteers from our chapter in cooperation with the Outdoor Club at Meramec College helped the Missouri Department of Conservation (MDOC) conduct the Eagle Days activities at Clarksville, MO. on the last weekend in January. A whopping total of 4,368 people visited Clarksville's Eagle Days this year; the most ever to attend this event in its ten year history.

Eagle Days is a nationally recognized interpretive program coordinated by the MDOC to educate the general public about the plight of the national symbol, the bald eagle. Eagle

Days programs are offered each year to the public at no charge at six different localities in Missouri.

Audubon volunteers assisted by helping run film projectors, greeting visitors, and helping people observe the eagles in the wild. Missouri is fortunate to have the second highest population of wintering bald eagles in the lower 48 states. A tip of the hat to all the workers who donated their time and to Jerry Miller for coordinating our input into this worthwhile endeavor.

ON SALE THROUGH AUDUBON

A Beginners Guide to Birdwatching (\$.50); Posters of: Favorite Birds, Birds of Prey and Wildflowers (\$5.00).

These items can be bought at the film series and at the monthly Open House at the education center.

CONTRIBUTIONS

Esther Becker, Edwardsville, IL.

WANTED: COLLECTIONS TO DISPLAY
AT THE EDUCATION CENTER

Have you got bugs in your attic or rocks in your basement? Perhaps you have a collection that you no longer have room for in your home to display. The education center is looking for just such collections to show either permanently or on a rotational basis. Interested persons should call our message board at 938-6123.

Anyone interested in serving on a committee which will oversee this new project should also call.

NOMINATING COMMITTEE FORMING

Walter Liddell and Gary Larson are part of the committee in charge of finding interested persons willing and able to serve on the board of directors. Should you have any nominations or interest in serving on the committee please call Audubon at 938-6123.

Other committees which need members:

Bulletin, Maintenance, Membership, Programs/Field Trips, Conservation, Publicity, Photography, Art Show.

ST. LOUIS AUDUBON COMMITTEES AND
CHAIRMAN

Bulliten/Cis Hager (938-5586)
Maintenance/Jim Ernst (966-2230)
Membership/Katherine Chambers (863-9346)
Correspondence/ Betty Williams (968-9694)
Programs:Field Trips/Karen Haller (227-5693)
Future Plans/Dave Tylka (296-1419)
Conservation/Bill Wiese (965-2310)
Publicity (Education)/Michael Siegle (367-1664)
Photography/Lee Mason (427-6311)
Annual Dinner/William Toole (822-9143)
Art Show/Nature Crafts
Blaine Ulmer (966-5425)

FOCUS ON THE ENVIROMNENT

by
Betty Wilson

SOLID WASTE CONTROL IN MISSOURI

The problem:

Americans have always had a special ability to produce trash---and for not caring where it goes. "Out of sight, out of mind." Tons of garbage are being carted off daily to so-called "sanitary landfills". The composition of that trash--rotting foods, old paint cans, laboratory wastes, used household oil cans, insecticide sprays, etc. present an enormous environmental problem. Rain water is contaminated going through landfills and could get into the groundwater and into the surface water, causing health dangers. Stringent and ENFORCED laws are needed to protect the public from poorly operated and installed landfills. Further, we must reduce the volume by recycling.

Findings concerning Missouri

1. Each day 16,000 tons of garbage are collected from homes, businesses and institutions, and put in Missouri landfills.
2. Of the 114 counties in the state, only 54 have active landfills. Of these, 23 have a remaining capacity of 3 years or less.
3. All existing landfills will be full in less than 9 years. This situation could become more serious if the State of Illinois were to ban Missouri garbage from entering the state. Almost 1/3 of all MO. solid waste is now disposed of in Illinois. We see along our rural roadsides an indicataion that if trash disposal is too inconvenient or expensive it will be dumped along highways.
4. For this reason several of the state regions are investigating trash-to-energy facilities such as incinerators. Trash is used instead of coal or oil to generate steam, which can then be used for

heating or manufacturing. Further, the steam could turn a turbine that runs a generator to produce electricity. Another alternative is refuse-derived fuel (RFD).

First trash goes to a hammer mill that pulverizes it. Then a series of classifiers separate the metal and glass until all that is left is burnable materials. Usually this burned along with coal in a conventional power plant. The materials separated from the trash can then be sold as scrap, making RFD cost effective.

5. Missouri communities depend almost exclusively on landfilling for managing solid waste. Little of this trash is being recovered or disposed of in a more acceptable way. Potentially, 20% to 30% is recoverable, but only 7% is estimated to be recovered. Missouri's rate of recovery is low in comparison with many other states.

NOT IN MY BACKYARD

Siting of landfills is almost guaranteed to cause problems. Few people want a landfill or dump as a near neighbor. This chronic attitude has become know as "Not in my backyard" or (NIMBY). A recent example of this was described in

the Post-Dispatch on 2/7/88. Briefly, the situation is as follows. The Alton Brick landfill (also known as St. Louis County Landfill) is seeking to expand by 53 acres. The landfill is owned by Marge Schott, the owner of the Cincinnati Reds baseball team. Schott started the landfill nearly 20 years ago in the Alton Brick Co. quarry. She sold the landfill a couple of weeks ago to Browning-Ferris Industries, with her blessing on the expansion efforts. Among the chief opponents of expansion is the president of Grey Eagle Distributors Inc., a distributor of Anheuser-Busch products in the midwest. He has tried to convince Schott to close the landfill rather than expand it. The matter has not yet been put to a vote in Maryland Heights.

There have been complaints about the high levels of methane gas emanating from the landfill. A gas control system was installed in 1986, but state records show that the gas is still migrating from the landfill. A state test of the leachate of the landfill in 1985 found excessive levels of barium, cadmium, chromium, lead and mercury. BFI has acknowledged that it was a gamble for the company to buy the landfill before the expansion was approved. If denied, BFI will be responsible for the closure costs of the landfill--an expensive proposition, especially if there is any groundwater contamination or leakage. The company recently posted a 1.8 million dollar bond with the state for the closure costs.

An article in U.S. News & World Report points out that New Yorkers generate almost twice as much trash per person as do Parisians. About 1/2 the volume of our trash is from packaging alone and U.S. know-how

keeps creating new forms of trash, from the 16 billion disposable diapers a year to the millions of computer printouts. One thing that is starting to bring the problem home is the soaring cost of disposal. Until 1978 the town of Summit, New Jersey paid \$2.60/ton to dump its garbage at a landfill. Today the cost is \$74.00/ton. Some towns in the Northeast pay well over \$100/ton.

Recycling

Recycling is not a paying business but everything recycled avoids the cost of landfilling and protects some of America's basic resources. U.S. News & World Report say "Recycling is not a cure-all. In Japan's disciplined society a recycling rate no better than 65% is achieved. Many Americans dislike the inconvenience of separating their trash." New Jersey has mandatory laws for separating of trash and pickup and recycling of that trash.

Solid Waste Legislation

Key solid waste legislation (SB 475) was adopted in Missouri in 1986. Enormous effort is required to protect the legislation from weakening amendments, to bring about strong rules to carry out SB 475 and to properly fund the program. The League of Women Voters (LWV) believes there should be a solid waste commission at the state government level. Such a provision has been introduced by Senator Goode during the present legislative session. It is SB 534. The creation of a Solid Waste Management Commission in the Department of Natural Resources (DNR) has long been supported by the LWV. We believe such a 7-member committee will strengthen the state's solid waste program for the following reasons:

1. It will provide more PUBLIC PARTICIPATION in planning and decision-making in solid waste.
2. It allows a further system for appeals.
3. It will serve to help educate the public on the expense and problems of dealing with garbage. This is especially true when meetings are held where there is a metropolitan press.
4. It provide a forum to which citizens can speak.
5. It is the only program within the DNR which lacks a commission. This results in a disadvantage to the Solid Waste Program.

I hope you will mention this to your representatives when you are lobbying in Jefferson City.

References

1. U.S. News & World Report, Dec. 14, 1987, "Tons and Tons of Trash and NO Place to Put It."
2. Statewide Resource Recovery Feasibility and Planning Study, Dec. 1987, Vol. 1 - Summary.
3. Rural Missouri. Oct. 1987, "O Man's Trash --Another Man's Energy,"

FIFTY WAYS TO SAVE WATER

GENERAL CONSERVATION

Substitute hazardous cleaning products with non-hazardous alternatives. For instance, use

- ▲ boiling water and a plunger instead of a drain cleaner
- ▲ a teaspoon of lemon juice per pint of mineral oil instead of furniture polish
- ▲ 2 tablespoons vinegar in 1 quart of water instead of window cleaner
- ▲ 1 quart of warm water, 1 teaspoon baking soda, 1 teaspoon salt, and a piece of aluminum foil instead of silver polish
- ▲ salt and baking soda (while fresh) instead of oven cleaner
- ▲ Clean frequently with soap and water to eliminate the need for stronger cleaners
- ▲ Don't pour hazardous substances, e.g., paint thinners and degreasers, down the drain
- ▲ Give leftover paints, thinners, and art supplies to a friend or store them carefully for future proper disposal

Buy organically grown produce, and let your grocer know you're looking for fruits and vegetables grown without pesticides (groundwater is contaminated by pesticide use)

Identify ways to store, use, and dispose of chemicals and their wastes carefully in your workplace; suggest ways to reduce hazardous chemical use to your supervisors

Don't run the water while brushing your teeth or shaving

Use integrated pest management practices rather than pesticides for lawn and garden care

Check any underground fuel oil tanks and have them removed if leakage is suspected

Water the lawn when evaporation is at its lowest

Use mulch in the garden to reduce water needs

Sweep sidewalks and driveways rather than hosing them down

Maintain septic systems regularly (have sludge pumped every two years)

Do not use septic system cleaners

AUTOMOBILE MAINTENANCE

Change the oil carefully to avoid spillage

Take the used oil to a recycling/collection location (i.e., service station or distributor)

Wash the car with a bucket to avoid wasting water

Minimize the use of salt on driveways and roads and encourage your town to use less road salt and to store and mix it correctly

Report any old gasoline tanks that may be leaking to the local Fire Department

Be careful not to drip gasoline on the ground when filling your tank

Take old batteries to a recycling or collection center

CIVIC PARTICIPATION

Organize local collection days for household hazardous wastes

Urge these officials to identify and map all water supplies and the associated recharge areas and watershed boundaries (including information on private wells)

Adopt bylaws and regulations to protect critical water-supply areas

Prohibit motorboat activities on reservoirs

Provide information that will help your town inventory potential contaminant sources such as underground storage tanks; road salt storage sites; landfills, junkyards, and old dumpsites; areas where pesticides are used for agricultural, turf management, right-of-way, and municipal purposes; and industries (particularly abandoned sites such as tanneries)

Consider ways to get the town, or groups of citizens, to purchase open space in critical water supply areas

Submit information on your private well (e.g., depth, date of installation, observations of soil material made during drilling, problems during use) to your local Board of Health and Water Department and encourage them to inventory private wells to ensure that patterns of problems do not exist

Establish local solid waste recycling programs (including waste oil)

LEGISLATIVE SUPPORT

Let your state legislators know your concerns about protection of our water supplies through letters and phone calls

Keep informed on the status of upcoming legislation through local environmental groups or by joining Massachusetts Audubon's Environmental Alert Network (in 1987 there were several bills regarding pesticide management, groundwater monitoring, waste reduction, open space preservation, and underground storage tanks)

EDUCATION

Teach your children to think about the water they use and the waste they generate

Share ideas about water conservation and waste minimization with your friends

Write letters to newspaper editors and get the media involved in the issues

Contribute to land conservation organizations and let them know your specific concern for land associated with critical water supply areas △

Claudia Brand

Claudia Brand is the Society's groundwater protection specialist.

The Massachusetts Audubon Society has published a number of brochures on proper management of water resources, among them nine groundwater information flyers that include such titles as "Pesticides and Groundwater Protection" and "Underground Fuel Storage Tanks." To get more information and a copy of the Society's "Publications Catalog," write to Educational Sales and Distribution, Massachusetts Audubon, Lincoln, MA 01773 or call 617-259-9500, x7250.

CALENDAR OF EVENTS

APRIL 2
Saturday

Monthly birding at Busch Wildlife. 8:00 a.m.
Leader / Paul Bauer; 921-3972. Meet at Knight's Lake
parking lot approx. 0.2 miles west of Busch
Headquarters. Bring binoculars, lunch, and beverage.
To get there: Take 40 west across the Missouri river,
south on 94 to D, turn right on D for 1 mile to the HQ.

April 10
Sunday



Monthly Open House at the Education Center.
Program at 1:00 p.m. INSECTS with Father James
Sullivan. We will meet at the center for an
introductory session and then head to the lower area of
West Tyson County Park in search of the six legged
denizens. Ted McCrea will display his insect
collection at the center.

APRIL 15
Friday

OUTDOOR FILM ADVENTURE SERIES:
Natural Wonders of Ceylon. 8:00 p.m. at the Webster
Groves Christian Church. Last one of the season.

APRIL 17
Sunday

Bird walks in the park. Meet at the Art Museum parking
lot at 8:00 a.m.

APRIL 24
Sunday

Bird walks in the park. Meet at the Art Museum parking
lot at 8:00 a.m.

APRIL 25
Monday

ANNUAL SPRING BANQUET! The Challenge of Everest: a
multi-media presentation on the 1985 attempt by team
climber Brian O'Malley. Hurry! Tickets are going fast.

APRIL 29
Fri-Sun

Spring Meeting of the Missouri Audubon Society.
Schell-Osage Area Headquarter. There will be bird and
botony field trips. Greater Prairie Chickens will be
booming. Henslow sparrow, Northern Harrier, marsh and
wading birds and waterfowl. The prairies should be
alive with wildflowers! Dinner, meeting and programs
on Sat. night to be catered at the Lions Hall. Box
lunches will be provided at the Headquarters on
advanced order. Lunch Sunday noon at Pat's Cafe in
Appleton City to summarize checklists and activities.
Any questions contact: Paul Bauer 921-3972.

MAY 1
Sunday

Bird walks in the park. Meet at the Art Museum parking
lot at 8:00 a.m.

MAY 7
Sunday

Monthly birding at Busch Wildlife. Meet at 8:00 a.m.

MAY 8
Sunday

Treat your mother to a stroll around the Education
center and at West Tyson County Park. Leaders: Karen
Haller and Art Crist.

MAY 21
Saturday

INTRODUCTION TO ASTRONOMY: 8:00 p.m. at the Education
Center. Leaders: Barbara and Jim Walker and Doug
Givens. Come enjoy a night of star gazing. Several
telescopes will be set up for spectacular viewing.

JUNE 12
Sunday



Sunday Audubon Open House. 1:00 p.m. BUTTERFLY WALK
Lead by Phil Koenig at the education center and
possibly over to West Tyson County Park.